

WHAT IS CLAIMED IS:

1. A polarizing molded article, which comprises a polarizing plate-containing laminated structure in which a polarizer sheet layer is held between two protective sheet layers, wherein one layer of the protective sheet layer and a polyurethane sheet layer or a polyamide sheet layer are connected with an adhesive or a pressure-sensitive adhesive, and the polyurethane sheet layer or the polyamide sheet layer and a thermally molding resin layer are thermally adhered.

2. The polarizing molded article according to claim 1, wherein the polyurethane sheet layer is a polyether series polyurethane sheet or a polyester series polyurethane sheet.

3. The polarizing molded article according to claim 1, wherein the polyamide sheet layer is a transparent type polyamide sheet.

4. The polarizing molded article according to claim 1, wherein a resin of the thermally molding resin layer is a resin which can be thermally adhered to the polyurethane sheet layer or the polyamide sheet layer, selected from the group consisting of polyamide, thermoplastic polyurethane

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and polycarbonate.

5 5. The polarizing molded article according to claim 4, wherein the polyamide is transparent type polyamide.

10 6. The polarizing molded article according to claim 1, wherein at least either side of the surface of the polarizing molded article is covered with at least one of a functional coating selected from the group consisting of a hard coating, an anti-reflecting coating, an anti-fogging coating, an anti-staining coating and a mirror coating.

15 7. The polarizing molded article according to claim 1, wherein the polarizing molded article is an optical lens.

20 8. A process for preparing a polarizing molded article as defined in claim 1, which comprises a first step of preparing a polarizing plate having a structure in which a polarizer sheet layer is held between two protective sheet layers, a second step of preparing a polarizing composite in which a polyurethane sheet layer or a polyamide sheet layer is connected to one layer of the protecting sheet layer of the polarizing plate with an adhesive or a pressure-sensitive adhesive, a third step of 25 heat press-molding the polarizing composite into a

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spherical shaped body, and a fourth step of thermally molding a thermally molding resin layer on the polyurethane sheet layer or the polyamide sheet layer of the spherical shaped body.

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9. The process for preparing a polarizing molded article according to claim 8, wherein a heat press molding machine for heat press-molding a polarizing composite into a spherical shaped body comprises a planar support having a hole having a size similar to that of the spherical shaped body in a planar direction, a clamp for securing the polarizing composite around the hole of the support, and a heatable anvil having a tip shape corresponding to a size and a curvature of the spherical shaped body, the anvil has a structure fittable in the support, and a third step of heat press-molding the polarizing composite into the spherical shaped body comprises [mounting the polarizing composite on the support—securing the polarizing composite on the support with a clamp—fitting an anvil and performing heat press molding—returning the anvil and the clamp to an original position—removing the spherical shaped body] as one cycle.

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10. The process for preparing a polarizing molded article according to claim 9, wherein the polarizing

composite is mounted on the support and is heat press-molded so that the polyurethane sheet layer or the polyamide sheet layer is on a convex side of the polarizing shaped body, the finished spherical shaped body is reverted, 5 whereby the spherical shaped body is arranged so that the polyurethane sheet layer or the polyamide sheet layer is on a concave side.

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10 11. The process for preparing a polarizing molded article according to claim 8, wherein an insert injection molding machine comprises a front mold having a curvature similar to that of the spherical shaped body and for securing the spherical shaped body and a movable mold having an arbitrary curvature, and a fourth step of insert injection-molding the polarizing molded body comprises [arranging and securing the spherical shaped body in the front mold so that the polyurethane sheet layer or the polyamide sheet layer is inside the mold-clamping the movable mold-injection-molding the thermally molding resin 15 layer-removing the polarizing molded article] as one cycle.
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